

Title (en)

Acoustic surface wave component.

Title (de)

Oberflächenwellen-Bauteil.

Title (fr)

Dispositif d'ondes de surface acoustiques.

Publication

EP 0027544 A2 19810429 (DE)

Application

EP 80105480 A 19800912

Priority

DE 2938542 A 19790924

Abstract (en)

[origin: US4344049A] A surface wave component has a pair of interdigital transducer comb structures carried spaced apart on a surface of a substrate which is carried on a base plate. In one embodiment, signal leads extend beneath the substrate to areas adjacent the rear portions of the comb structures and are capacitively coupled thereto via the substrate which is a dielectric. In another embodiment, inductive coupling loops interconnect the rear portions of the comb structures of a respective transducer and another inductive loop is carried on the opposite side of the substrate for signal coupling. In both embodiments both symmetrical and asymmetrical signal coupling is provided by utilizing a grounding plate or layer as a signal lead.

Abstract (de)

Kapazitive oder induktive Ankopplung der Wandler mit einer Kapazität zwischen einer Anschlußfahne und dem Wandler bzw. mit Kopplung zwischen je zwei Leiterschleifen auf der Oberseite und der Unterseite des Substrates.

IPC 1-7

G10K 11/36; H03H 9/145

IPC 8 full level

H03H 9/145 (2006.01); **G10K 11/36** (2006.01); **H03H 3/08** (2006.01); **H03H 9/02** (2006.01); **H03H 9/05** (2006.01)

CPC (source: EP US)

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